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Substitute for form 1448/PTO

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Sheet 1

of 4

Complete if Known

Application Number	10/560,198
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Filing Date	December 8, 2005
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First Named Inventor	Emily Li Chuan Tan
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Art Unit	1645
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Examiner Name

Attorney Docket Number	6565-72815-01/RJP
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U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

**Examiner
Signature**

/Mary Mosher/

Date Considered

11/13/2007

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete If Known	
		Application Number	10/560,198
		Filing Date	December 8, 2005
		First Named Inventor	Emily Li Chuan Tan
		Art Unit	1645
		Examiner Name	
Sheet 2	of 4	Attorney Docket Number 6565-72815-01/RJP	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/MM/		World Health Organization. Acute respiratory syndrome in China—update 3: disease outbreak reported: Geneva: The Organization; 2003.	
		LEE, N., HUI, D.H., WU, A., CHAN, P., CAMERON, P., JOYNT, G.M., ET AL. A major outbreak of severe acute respiratory syndrome in Hong Kong. N Engl J Med 2003, 348:1986–94.	
		KSIAZEK, T.G., ERDMAN, D., GOLDSMITH, C., ZAKI, S.R., PERET, T., EMERY, S., ET AL. A novel coronavirus associated with severe acute respiratory syndrome. N Engl J Med 2003, 348:1953–66.	
		TSANG, K.W., HO, P.L., OOI, G.C., YEE, W.K., WANG, T., CHAN-YEUNG, M., ET AL. A cluster of cases of severe acute respiratory syndrome in Hong Kong. N Engl J Med 2003, 348:1977–85.	
		Severe acute respiratory syndrome (SARS) and coronavirus testing—United States, 2003. Morb Mortal Wkly Rep 2003, 52:297–302.	
		PEIRIS, J.S.M., CHU, C.M., CHENG, V.C., CHAN, K.S., HUNG, I.F., POON, L.L., ET AL. Clinical progression and viral load in a community outbreak of coro-navirus-associated SARS pneumonia: a prospective study. Lancet 2003, 361:1767–72.	
		CHAN-YEUNG, M., YU, W.C. Outbreak of severe acute respiratory syndrome in Hong Kong Special Administrative Region: case report. BMJ 2003, 326:850–2.	
		NICHOLLS, J.M., POON, L.L., LEE, K.C., NG, W.F., LAI, S.T., LEUNG, C.Y., ET AL. Lung pathology of fatal severe acute respiratory syndrome. Lancet 2003, 361:1773–8.	
		POUTANEN, S.M., LOW, D.E., HENRY, B., FINKELSTEIN, S., ROSE, D., GREEN, K., ET AL. Identification of severe acute respiratory syndrome in Canada. N Engl J Med 2003, 348:1995–2005.	
		DROSTEN, C., GUNTHER, S., PREISER, W., VAN DER WERF, S., BRODT, H.R., BECKER, S., ET AL. Identification of a novel coronavirus in patients with severe acute respiratory syndrome. N Engl J Med 2003, 348:1967–76.	

Examiner Signature	/Mary Mosher/	Date Considered	11/13/2007
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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known	
		Application Number	10/560,198
		Filing Date	December 8, 2005
		First Named Inventor	Emily Li Chuan Tan
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Sheet 3	of 4	Attorney Docket Number 6565-72815-01/RJP	

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/MM/		LAPINSKY, S.E. and HAWRYLUK, L. ICU management of severe acute respiratory syndrome. Intensive Care Med 2003, 29:870-5.	
		BOOTH, C.M., MATUKAS, L.M., TOMLINSON, G.A., RACHLIS, A.R., ROSE, D.B., DWOSH, H.A., ET AL. Clinical features and short-term outcomes of 144 patients with SARS in the greater Toronto area. JAMA 2003, 289:2801-9. Erratum in: JAMA 2003, 290:334.	
		DRISCOLL, J.S. Antiviral drugs. Aldershot, UK: Ashgate Publishing Ltd, 2002.	
		RUAN, Y.J., WEI, C.L., EE, A.L., VEGA, V.B., THOREAU, H., SU, S.T., ET AL. Comparative full length genome sequence analysis of 14 SARS coro-navirus isolates and common mutations associated with putative origins of infection. Lancet 2003, 361:1779-85. Erratum in: Lancet 2003, 361:1832.	
		RICHMOND, J.Y. and MCKINNEY, R.W. Biosafety in microbiological and bio-medical laboratories. 4th ed. Washington: U.S. Government Printing Office, 1999.	
		AL-JABRI, A.A., WIGG, M.D. and OXFORD, J.S. Initial in vitro screening of drug candidates for their potential antiviral activities. In: Mahy, B.W.J. and Kangro H.O. eds. Virology Methods Manual. Academic Press Ltd. London. 1996: 293-356.	
		HUFFMAN, J.H., SIDWELL, R.W., KHARE, G.P., ET AL. In vitro effect of 1-beta-D- ribofuranosyl-1,2,4-triazole-3-carboxamide (Virazole, ICN-1229) on deoxy-ribonucleic acid and ribonucleic acid viruses. Antimicrob Agents Chemo. 1973, 3:235-241.	
		SAGANUMA, T. and ISHIDA, N. An evaluation of a new antiviral agent 'Virazole' against influenza virus infections. Tohoku J. Exp. Med. 1973, 110: 405-406.	
		MORREY, J.D., SMEE, D.F., SIDWELL, R.W., and TSENG, C. Identification of active antiviral compounds against a New York isolate of West Nile virus. Antiviral Res 2002, 55:107-16.	
		DAVIS, G.L., ET AL. Interferon alpha2b alone or in combination with Ribavirin for the treatment of relapse of chronic hepatitis. N. Engl. J. Med. 1998, 339:1493-1499.	

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		Filing Date	December 8, 2005
		First Named Inventor	Emily Li Chuan Tan
		Art Unit	1645
		Examiner Name	
Sheet 4	of 4	Attorney Docket Number	6565-72815-01/RJP

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/MM/		POYNARD, T.P., ET AL. Randomised trial for interferon alpha2b plus Ribavirin. Lancet 1998, 352:1426-1432.	
		MCHUTCHISON, J.G., ET AL. Interferon alpha2b alone or in combination with Ribavirin as initial treatment for hepatitis C. N. Engl. J. Med. 1998, 339:1485-1492.	
		PFEFFER, L.M., ET AL. Biological properties of recombinant alpha-interferons: 40th anniversary of the discovery of interferons. Cancer Res. 1998, 58:2489-2499.	
		LEE, C.K., BLUYSEN, H.A. and LEVY, D.E. Regulation of interferon alpha responsiveness by the duration of Janus kinase activity J. Biol. Chem. 1997, 272:21872-21877.	
		TURNER, R.B., FELTON, A., KOSAK, K., KELSEY, D.K., and MESCHIEVITZ, C.K. Prevention of experimental coronavirus colds with intranasal alpha-2b interferon. J Infect Dis 1986; 154:443-7.	
		HIGGINS, P.G., PHILLIPOTS, R.J., SCOTT, G.M., WALLACE, J., BERNHARDT, L.L., and TYRELL, D.A. Intranasal Interferon as protection against experimental respiratory coronavirus infection in volunteers. Antimicrob Agents Chemother 1983; 24:713-5.	
		TYRELL, D.A. The efficacy and tolerance of intranasal interferons: studies at the common cold unit. J Antimicrob Chemother 1986; 18B:153-6.	
		WEINGARTL, H.M., and DERBYSHIRE, J.B. Antiviral activity against transmissible gastroenteritis virus, and cytotoxicity, of natural porcine interferons alpha and beta. Can J Vet Res 1991; 55:143-9.	
		JORDAN, L.T., and DERBYSHIRE, J.B. Antiviral activity of Interferon against transmissible gastroenteritis virus in cell culture and ligated intestinal segments in neonatal pigs. Vet Microbiol 1994; 38:263-76.	
↓		TAN, EMILY L.C., ET AL. Inhibition of SARS Coronavirus Infection In Vitro with Clinically Approved Antiviral Drugs. Emerging Infections Diseases. April 2004. Volume 10, No. 4. Pages 581-586.	

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24 Substitute for form 1449/PTO

Complete If Known

Application Number	10/560,198
Filing Date	December 8, 2005
First Named Inventor	Emily Li Chuan Tan
Art Unit	1646 1648
Examiner Name	---
Attorney Docket Number	6565-72815-01/RJP

Sheet	1	of	2
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet	1	of	2
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Application Number	10/560,198
Filing Date	December 8, 2005
First Named Inventor	Emily Li Chuan Tan
Art Unit	4646 1648
Examiner Name	---
Attorney Docket Number	6565-72815-01/RJP

Sheet 2 of 2

NON PATENT LITERATURE DOCUMENTS

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/MM/		CINATL, J. et al., Treatment of SARS with Human Interferons, The Lancet, 26 July 2003, Pages 293-294, Volume 362, Issue 9380	
/MM/		Healthopedia.com Drugs Information, Interferons, Alpha (Systemic), Date revised 09/12/2001, Retrieved on 4 October 2007 from the Internet: URL: http://www.healthopedia.com/drugs/detailed/interferons-alpha	

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